



1999 Ozone Summary for New Hampshire

- ! The existing health-based standard for ozone in ambient (outdoor) air is **120 parts per billion for a one-hour average**. An area is Aexceeding \cong the standard if any one hour average measured during the day at an air monitoring station in the area goes above the standard.
- ! In 1997, EPA revised the ozone standard to **80 parts per billion for an 8-hour average** to provide increased protection from the harmful health effects of ozone beyond that provided by the one-hour standard. In May of 1999, the new standard was remanded back to EPA by the DC Circuit Court of Appeals in response to challenges filed by industry and others. As a result, EPA cannot enforce this standard without further legal and/or rulemaking action.
- ! Following promulgation of the revised ozone standard, EPA subsequently revoked the one-hour ozone standard in areas that were meeting that standard, including any remaining ozone nonattainment areas in New Hampshire. EPA is proposing to rescind the revocations. Regardless of what standard is in effect, New Hampshire continues to monitor ozone levels in ambient air in order to issue health advisories when necessary and to determine compliance with the one-hour and future 8-hour standards.

1-Hour Ozone Exceedances During 1999 (>120 ppb standard)

<u>Date</u>	<u>Site(s)</u>	<u>Concentration (ppb)</u>
July 16	Portsmouth	127

Maximum 1-Hour Ozone Concentrations

<u>Site</u>	<u>Date</u>	<u>Concentration (ppb)</u>
Manchester	site down for most of season	
Keene	July 31	107
Rye	July 16	124
Claremont	May 31	97
Nashua	August 17	103
Concord	July 30	93
Portsmouth	July 16	127
Rochester	August 25	107
Laconia	July 30	98
Conway	June 1	93
Haverhill	June 1	89
Brentwood	August 25	100

8-Hour Ozone Exceedances During 1999 (>80 ppb standard)

<u>Date</u>	<u>Site(s)</u>	<u>Concentration (ppb)</u>
May 31	Rye	96
	Nashua	89
	Portsmouth	89
June 1	Rochester	94
	Nashua	90
June 24	Portsmouth	90
	Nashua	87
July 16	Rye	111
	Portsmouth	107
	Nashua	87
July 17	Portsmouth	86
	Nashua	85
July 30	Nashua	86
July 31	Nashua	89
	Keene	89
August 17	Nashua	88
	Rye	85
August 25	Portsmouth	93
	Rochester	90

note: ALL values are unofficial pending full QA/QC evaluation

For 1999 ozone exceedances in the New England states, see the table on the following page.

For additional information, contact:

New Hampshire Department of Environmental Services
603-271-1370 or www.des.state.nh.us/ard

U.S. Environmental Protection Agency
www.epa.gov/region01/eco/ozone/

New England Ozone Exceedance Day Summary for 1999
(Preliminary data through September 27, 1999)

State	Number of 8-hr Exceedance Days	Dates of 8-hr Exceedance Days	Number of 1-hr Exceedance Days	Dates of 1-hr Exceedance Days
Connecticut	33	5/29, 5/30, 5/31, 6/1, 6/2, 6/6, 6/7, 6/8, 6/23, 6/24, 6/26, 6/27, 7/3, 7/5, 7/6, 7/15, 7/16, 7/17, 7/18, 7/19, 7/23, 7/24, 7/25, 7/27, 7/29, 7/30, 7/31, 8/1, 8/4, 8/12, 8/17, 9/2, 9/3	11	5/31, 6/2, 6/7, 6/27, 7/15, 7/16, 7/17, 7/18, 7/24, 7/29, 7/30
Maine	10	5/30, 5/31, 6/1, 6/24, 6/25, 7/16, 7/17, 7/23, 8/17, 8/25	1	7/16
Massachusetts	22	5/30, 5/31, 6/1, 6/2, 6/7, 6/8, 6/23, 6/24, 6/26, 6/27, 7/6, 7/16, 7/17, 7/18, 7/23, 7/24, 7/28, 7/30, 7/31, 8/17, 8/25, 9/2	4	6/7, 7/6, 7/16, 8/17
New Hampshire	9	5/31, 6/1, 6/24, 7/16, 7/17, 7/30, 7/31, 8/17, 8/25	1	7/16
Rhode Island	11	5/29, 6/7, 6/8, 6/23, 6/24, 6/26, 7/6, 7/15, 7/16, 7/17, 7/18	3	6/7, 7/6, 7/16
Vermont	2	7/16, 7/31	0	
New England totals	35	5/29, 5/30, 5/31, 6/1, 6/2, 6/6, 6/7, 6/8, 6/23, 6/24, 6/26, 6/27, 7/3, 7/5, 7/6, 7/15, 7/16, 7/17, 7/18, 7/19, 7/23, 7/24, 7/25, 7/27, 7/28, 7/29, 7/30, 7/31, 8/1, 8/4, 8/12, 8/17, 8/25, 9/2, 9/3	13	5/31, 6/2, 6/7, 6/27, 7/6, 7/15, 7/16, 7/17, 7/18, 7/24, 7/29, 7/30, 8/17